



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

December 13, 1989

Douglas P. Mueller
Wegner & Bretschneider
P.O. Box 18218
Washington, D.C. 20036-8218

Dear Mr. Mueller:

A certificate is enclosed extending the patent term (Patent No. 4,241,057) for a period of 2 years.

Sincerely,

C. E. Van Horn

Charles E. Van Horn
Special Assistant to the Assistant
Commissioner for Patents

Attachment

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE EXTENDING PATENT TERM
UNDER 35 U.S.C. 156

Patent No. : 4,241,057
Dated : December 23, 1980
Inventor(s) : KENZO ISHIZUKA ET AL
Patent Owner : TAKEDA CHEMICAL INDUSTRIES, LTD.

This is to certify that there has been presented to the

COMMISSIONER OF PATENTS AND TRADEMARKS

an application under 35 U.S.C. 156 for an extension of the patent term. Since it appears that the requirements of the law have been met, this certificate extends the term of the patent for the period of

2 YEARS

with all rights pertaining thereto as provided by 35 USC 156 (b).



I have caused the seal of the Patent and Trademark Office to be affixed this 11th day of December 1989.

Jeffrey M. Samuels

Jeffrey M. Samuels
Acting Commissioner of
Patents and Trademarks